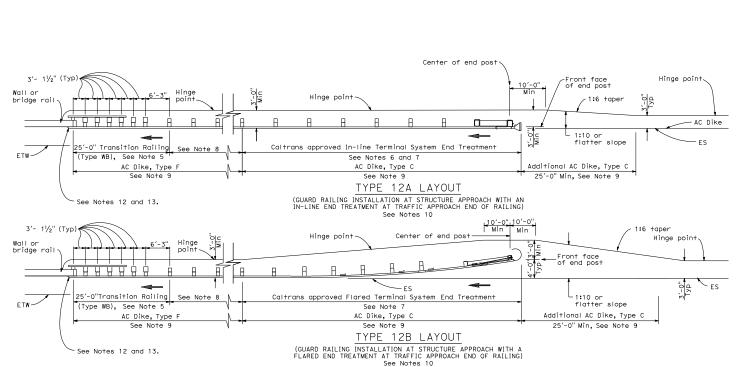
POST MILES SHEET TOTAL TOTAL PROJECT NO. SHEETS

DIST COUNTY

Randell D. Hiatt



NOTES:

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- Line post, blocks and hardware to be used are shown on Standard Plans A77A1, A77A2, A77B1, A77C1 and A77C2.
- 2. Guard rail post spacing to be 5'-4" center to center, except as otherwise noted.
- 3. Except as noted, line posts are 6" \times 8" \times 6'-0" wood with 6" \times 8" \times 1'-2" wood blocks. W6 \times 9 steel posts, 6'-0" in length, with 6" \times 8" \times 1'-2" notched wood blocks or plastic blocks may be used for 6' \times 8" \times 6'-0" wood posts with 6" \times 8" \times 1'-2" wood blocks where applicable and when specified.
- 4. Direction of adjacent traffic indicated by ->.
- For Transition Railing (Type WB) details for Types 12A and 12B Layouts, see Standard Plan A77J4.
- In-line Terminal System End Treatments are used where site conditions will not accommodate a flared end treatment.
- The type of terminal system end treatment to be used will be shown on the Project Plans.
- 8. Dependent on site conditions (embankment height, side slopes, or other fixed objects), it may be advisable to construct additional guard railing (a length equal to multiples of 12'-6" with 6'-3" post spacing) between the transition railing and end treatment.

- Where placement of dike is required with guard railing installations, see Standard Plan A77C4 for dike positioning details.
- 10. Type 12A or Type 12B Layouts are typically used:
 - a. To the right of approaching traffic, at the end of a structure, on two-lane conventional highway where the roadbed width across the structure is less than 40 feet.
 - b. To the left of approaching traffic, at the end of a structure, on two-lane conventional highway where the roadbed width across the structure is less than 40 feet.
 - c. To the right of approaching traffic at the end of each structure on multilane freeways or expressways with separate adjacent or parallel bridges.
 - d. To the right of approaching traffic at the end of the structure on multilane freeways or expressways with decked median on the bridge.
- 11. See Standard Plan A77F3 for typical layout used left of approaching traffic at the ends of each structure on multilane freeways or expressways with separate adjacent or parallel bridges.

- 12. For additional details of typical connections to bridge rail, see Connection Detail AA on Standard Plans A7701 and A7732 and Connection Detail FF on Standard Plans A77K1 and A77K2.
- For additional details of a typical connection to walls or abutments, see Standard Plan A77J3.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

METAL BEAM GUARD RAILING TYPICAL LAYOUTS FOR STRUCTURE APPROACH

NO SCALE

A77F1